

## BARCODE SCANNER WITH DUAL-SURFACE POLYGON

### Abstract of the Disclosure

A barcode scanner with a dual-surface polygon which increases total scan line length. The polygon includes generally planar walls arranged in a ring having first mirrored facets facing generally towards a center of the ring and second mirrored facets facing generally away from the center of the ring. The first and second mirrored facets direct a laser beam to produce a scan pattern.